

800 Carlisle Way Well & Water Tank Project
File # PLN2022-7041, SCH # 2023020080
OPR Summary Form Attachment A

Impacts	Mitigation Measure(s)
Air Quality	
<p>Impact AIR-1: The project would not conflict with or obstruct implementation of the applicable air quality plan with mitigation incorporated.</p> <p>Impact AIR-2: The project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard with mitigation incorporated.</p>	<p>LUTE DEIR MM 3.5.3: Basic BMPs – Include measures to control dust and exhaust during construction.</p> <p>During any construction period ground disturbance, the applicant shall ensure that the project contractor implement measures to control dust and exhaust. Implementation of the measures recommended by BAAQMD and listed below would reduce the air quality impacts associated with grading and new construction to a less-than-significant level. Additional measures are identified to reduce construction equipment exhaust emissions. The contractor shall implement the following best management practices that are required of all projects:</p> <ul style="list-style-type: none"> • All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day. • All haul trucks transporting soil, sand, or other loose material off-site shall be covered. • All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited. • All vehicle speeds on unpaved roads shall be limited to 15 miles per hour (mph). • All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used. • Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points. • All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation. • Post a publicly visible sign with the telephone number and person to contact at the Lead Agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's phone number shall also be visible to ensure compliance with applicable regulations.

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<p>Impact AIR-3: The project would not expose sensitive receptors to substantial pollutant concentrations with mitigation incorporated.</p>	<p>Refer to LUTE DEIR MM 3.5.3 above.</p> <p>MM AIR-3.1: Use construction equipment that has low diesel particulate matter exhaust emissions.</p> <p>Implement a feasible plan to reduce DPM emissions by 35 percent such that increased cancer risk from construction would be reduced below BAAQMD significance threshold as follows:</p> <ol style="list-style-type: none"> 1. All construction equipment larger than 25 horsepower used at the site for more than two continuous days or 20 hours total shall meet U.S. EPA Tier 4 emission standards for PM (PM₁₀ and PM_{2.5}), if feasible, otherwise, <ol style="list-style-type: none"> a. If use of Tier 4 equipment is not available, alternatively use equipment that meets U.S. EPA emission standards for Tier 2 or 3 engines and include particulate matter emissions control equivalent to CARB Level 3 verifiable diesel emission control devices that altogether achieve a 35 percent reduction in particulate matter exhaust in comparison to uncontrolled equipment; alternatively (or in combination). b. Use of electrical or non-diesel fueled equipment. 2. Alternatively, the applicant may develop another construction operations plan demonstrating that the construction equipment used on-site would achieve a reduction in construction diesel particulate matter emissions by 35 percent or greater. Elements of the plan could include a combination of some of the following measures: <ol style="list-style-type: none"> a. Implementation of No. 1 above to use Tier 4 or alternatively fueled equipment, b. Installation of electric power lines during early construction phases to avoid use of diesel generators and compressors, c. Use of electrically-powered equipment, d. Forklifts and aerial lifts used for exterior and interior building construction shall be electric or propane/natural gas powered, e. Change in construction build-out plans to lengthen phases, and f. Implementation of different building techniques that result in less diesel equipment usage. <p>Such a construction operations plan would be subject to review by an air quality expert and approved by the City prior to construction.</p>

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Biological Resources	
<p>Impact BIO-1: The project would not have a substantial effect, either directly or through habitat modifications, on any special status species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the CDFW or USFWS with mitigation incorporated.</p> <p>Impact BIO-4: The project would not interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites with mitigation incorporated.</p>	<p>MM BIO-1.1: When possible, construction shall be scheduled to avoid the nesting season to the extent feasible. The nesting season for most birds, including most raptors, in the San Francisco Bay area extends from February 1 through August 31.</p> <p>If it is not possible to schedule construction and tree removal between September and January, then pre-construction surveys for nesting birds shall be completed by a qualified ornithologist to ensure that no nests shall be disturbed during project implementation. This survey shall be completed no more than 14 days prior to the initiation of grading, tree removal, or other demolition or construction activities during the early part of the breeding season (February through April) and no more than 30 days prior to the initiation of these activities during the late part of the breeding season (May through August).</p> <p>During this survey, the ornithologist shall inspect all trees and other possible nesting habitats within and immediately adjacent to the construction area for nests. If an active nest is found sufficiently close to work areas to be disturbed by construction, the ornithologist shall determine the extent of a construction-free buffer zone to be established around the nest to ensure that nests of bird species protected by the MBTA or Fish and Game code shall not be disturbed during project construction.</p> <p>A final report of nesting birds, including any protection measures, shall be submitted to the Director of Community Development prior to the start of grading or tree removal.</p>
Cultural Resources	
<p>Impact CUL-2: The project would not cause a substantial change in the significance of an archaeological resource pursuant to CEQA Guidelines</p>	<p>MM CUL-2.1: Prior to ground-disturbing activities, a qualified archaeologist shall provide cultural resources training to all contractors and employees involved in trenching and excavation. The training shall inform participants how to recognize archaeological artifacts and deposits, and discuss their obligations under the law and the project mitigation measures.</p>

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<p>Section 1564.5 with mitigation incorporated.</p>	<p>MM CUL-2.2: A qualified archaeologist shall monitor the demolition of the building foundations and any other below surface disturbances, such as but not limited to, grading, excavation, and utility connections and improvements. If any cultural resources are identified, all activity in the vicinity of such resources shall stop until a research design and treatment plan is prepared to address those types of resources encountered and such plan is approved by the City, as described in mitigation measure MM CUL-2.3 below. Any cultural resources identified shall be evaluated to determine if these resources would qualify for the NRHP or CRHR. If no resources are found during excavation work, the implementation of mitigation measure MM CUL-2.3 below is not required.</p> <p>MM CUL-2.3: In the event that buried, or previously unrecognized archaeological deposits or materials of any kind are inadvertently exposed during any construction activity, all activity within a 50-foot radius of the find shall be stopped until a qualified archaeologist can assess the find and provide recommendations for further treatment, if warranted. Preservation in place is the preferred treatment of an archeological resource. When preservation in place of an archeological resource is not feasible, data recovery, in accordance with a data recovery plan prepared by a qualified archaeologist and adopted by the City, is the appropriate mitigation. Construction and potential impacts to the area within a radius determined by the archaeologist shall not recommence until the assessment is complete.</p>
<p>Impact CUL-3: The project would not disturb any human remains, including those interred outside of dedicated cemeteries with mitigation incorporated.</p>	<p>MM CUL-3.1: In the event that human remains are discovered during excavation and/or grading of the site, all activity within a 50-foot radius of the find shall be stopped. The Santa Clara County Coroner shall be notified and shall make a determination as to whether the remains are of Native American origin or whether an investigation into the cause of death is required. If the remains are determined to be Native American, the Coroner shall notify the NAHC immediately. Once NAHC identifies the most likely descendants, the descendants shall make recommendations regarding proper burial, which shall be implemented in accordance with Section 15064.5 of the CEQA Guidelines.</p>
Geology and Soils	
<p>Impact GEO-6: The project would not directly or indirectly destroy a unique paleontological resource or site or unique geological</p>	<p>MM GEO-6.1: Should a unique paleontological resource or site or unique geological feature be identified at the project site during any phase of construction, all ground disturbing activities within 25 feet shall cease and the Sunnyvale Community Development Director notified immediately. A qualified paleontologist shall evaluate the find and prescribe measures to preserve the find. Work may proceed on other parts of the project site while measures to preserve the paleontological resources or geologic</p>

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feature with mitigation incorporated.	features are implemented. One such measure would be a buffer that would be established by the qualified paleontologist. This buffer would preserve the area immediately surrounding the discovered resource while allowing work to happen beyond the buffer. Upon completion of the paleontological assessment, a report shall be submitted to the City and, if paleontological materials are recovered, a paleontological repository, such as the University of California Museum of Paleontology shall also be submitted to the City.
Greenhouse Gas Emissions	
<p>Impact GHG-1: The project would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment with mitigation incorporated.</p> <p>Impact GHG-2: The project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs with mitigation incorporated.</p>	Refer to LUTE DEIR MM 3.5.3 and MM AIR-3.1 above.
Noise and Vibration	
Impact NOI-1: The project (specifically the project construction drilling phase) would result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of	<p>MM NOI-1.1: Installation of Acoustic Barriers: During drilling activities on-site, the project shall install the following acoustic barriers (the installation of which shall take place during regular, daytime construction hours):</p> <ul style="list-style-type: none"> Approximately 600 linear feet of 32-foot-high, Sound Transmission Class (STC) rated 32 acoustic barrier wall shall be installed parallel to the site boundaries. The acoustic barrier wall shall be installed with no openings or gaps except for an acoustical gate on the north side of the project site to facilitate site access during drilling activities. This acoustical gate shall remain closed during drilling operations.

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<p>the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies, even with mitigation incorporated.</p>	<ul style="list-style-type: none"> • Approximately 190 linear feet of 20-foot-high, STC rated 32 dual K-rail mounted acoustic barriers shall be installed on the south and north sides of drilling equipment. These acoustic barriers shall also be installed on portions of the east and west sides of drilling equipment as shown in Figure 7-3 of the Noise Assessment Report. • Approximately 72 linear feet of 12-foot-high, STC rated 25 acoustic barrier walls shall be installed on the north, west and south sides of mud pump and air compressor. • Approximately 96 linear feet of 8-foot-high, STC rated 25 acoustical blankets shall be installed on the rig floor. <p>MM NOI-1.2: Provision of Vouchers for Alternative Accommodations: California Water Service (Cal Water) shall provide the two nearest residences adjacent to the southwestern portion of the project site (i.e., 819 and 823 Coventry Court as identified in the Noise Assessment Report dated July 24, 2024 in Appendix B of the Draft EIR) with the potential to exceed 50 dBA noise levels during nighttime drilling activities, with vouchers for alternative accommodations. Prior to the initiation of nighttime drilling activities, Cal Water shall communicate the anticipated drilling schedule to the affected residents at 819 and 823 Coventry Court. Upon request, vouchers shall be offered based on the needs of each household for the specific dates that nighttime drilling activities are scheduled. It is anticipated that the nighttime drilling activities would occur over two separate phases. If requested by the affected residents, vouchers for alternative accommodations shall be issued for each of the two phases based on the finalized construction schedule and be for \$300/night/room. Confirmation regarding any request for vouchers and the provision of vouchers for alternative accommodations shall be provided by Cal Water to the City prior to issuance of building permits.</p> <p>MM NOI-1.3: Ongoing Noise Monitoring and Implementation of Portable Acoustic Barriers: During demolition, grading, excavation, trenching, and tank construction activities on-site, the project shall conduct ongoing noise monitoring to determine when the use of portable acoustic barriers is required to prevent the exceedance of the applicable 80 dBA threshold as measured at surrounding sensitive receptors. If noise levels during these construction activities is measured within three dBA of the 80 dBA threshold at surrounding sensitive receptors, then portable acoustic barriers shall be installed between the noise generating equipment and the impacted sensitive receptor prior to initiating any additional noise generating construction activities.</p>

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Tribal Cultural Resources	
<p>Impact TCR-1: The project would not cause a substantial adverse change in the significance of a tribal cultural resource that is listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k) with mitigation incorporated.</p> <p>Impact TCR-2: The project would not cause a substantial adverse change in the significance of a tribal cultural resource that is determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1 with mitigation incorporated.</p>	<p>Refer to MM CUL-2.1, MM CUL-2.2, MM CUL-2.3, and MM CUL-3.1 above.</p>